

AMENDMENTS TO THE CLAIMS

A detailed listing of all claims that are, or were, in the present application, irrespective of whether the claim(s) remains under examination in the application are presented below. The claims are presented in ascending order and each includes one status identifier. Those claims not cancelled or withdrawn but amended by the current amendment utilize the following notations for amendment: 1. deleted matter is shown by strikethrough for six or more characters and double brackets for five or less characters; and 2. added matter is shown by underlining.

1. (Currently Amended) A device for mixing the outputs of two sensors attached to a stringed musical instrument, the device including:

a first input for receiving a signal from ~~at least one first sensor~~ an under saddle sensor;

a second input for receiving a signal from ~~at least one second sensor~~ a sensor attached to a body portion of the instrument;

a low pass filter for passing signal components ~~of the first input signal~~ from the under saddle sensor below a first frequency;

a high pass filter for passing signal components ~~of the second input signal~~ from the body sensor above a second frequency;

a mixing circuit for combining the signals passed by the low pass filter and the high pass filter to form a combined output signal; and

control means for enabling a user to simultaneously vary[[ing]] the first frequency of the low pass filter and vary a level of the signal passed by the high pass filter.

2. (Original) A device according to claim 1 wherein the first frequency defines a corner frequency of the low pass filter and the second frequency defines a corner frequency of the high pass filter.

3. (Original) A device according to claim 2 wherein there exists a crossover between the input signals from the first and second sensors at a crossover frequency determined by the corner frequencies of the two filters.
4. (Original) A device according to claim 3 wherein the first and second corner frequencies are selected to provide a substantially uniform overall response in the combined output signal.
5. (Original) A device according to claim 4 wherein the variable first frequency has a minimum value substantially equal to the second frequency.
6. (Original) A device according to claim 5 wherein the first frequency has a minimum value within the range of 300 Hz to 900 Hz.
7. (Original) A device according to claim 6 wherein the minimum value is about 750Hz.
8. (Previously Presented) A device according to claim 6 wherein the first frequency is variable between the minimum value and about 10 kHz.
9. (Currently Amended) A device according to claim 4 wherein the control means further includes an attenuator for varying the level of the signal passed by the high pass filter from the second input to the mixing circuit.

10. (Cancelled)
11. (Currently Amended) A device according to claim [[10]] 1 wherein [[a]] the range of frequencies passed by the low pass filter is extended whilst the level of the signal passed by the high pass filter is attenuated, and the range of frequencies passed by the low pass filter is reduced whilst the level of the signal passed by the high pass filter is increased.
12. (Previously Presented) A device according to claim 1 wherein the second frequency is within the range of 300 Hz to 900 Hz.
13. (Original) A device according to claim 12 wherein the second frequency is about 750Hz.
14. (Previously Presented) A pre-amplifier incorporating a mixing device according claim 1.
15. (Cancelled)
16. (Currently Amended) A pre-amplifier according to claim [[15]] 14 wherein the second sensor is attached to the inside of the soundboard of the ~~guitar~~ musical instrument.
17. (Previously Presented) An acoustic guitar including an under saddle sensor, a second sensor attached to a body portion of the guitar and a pre-amplifier according to claim 14 wherein

the under saddle sensor is connected to the first input of the mixing device and the second sensor is connected to the second input of the mixing device.

18. (Original) An acoustic guitar according to claim 17 wherein the second sensor is attached to the inside of the soundboard of the guitar.

19. (Previously Presented) An acoustic guitar according to claim 17 wherein a further sensor is attached to another body portion of the guitar and is also connected to the second input of the mixing device.

20. (Original) An acoustic guitar according to claim 19 wherein the second sensor is attached to the soundboard of the guitar and the further sensor is attached to the rear panel of the guitar.